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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Phoenix, Arizona

Applicant: Hoki Kwon. **Group:** 2881.
Serial No.: 10/078474 **Examiner:** t.b.d.
Filed: 2-21-2002 **Atty Docket No.:** V637 02769
For: LONG WAVELENGTH VCSEL GROWN BY MOCVD USING
ALPSB/GAPSB AS BOTTOM MIRROR AND GAAS/AL(GA) AS
TOP MIRROR

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
WITHIN THREE MONTHS OF FILING OR BEFORE MAILING OF
FIRST OFFICE ACTION (37 C.F.R. §1.97(b))**

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Alexandria, VA 22313-1450

Dear Sir:

In accordance with Applicants' duty of disclosure under 37 C.F.R. §1.56, you will find attached hereto form PTO-1449, listing information which may be material to the patentability of this application, previously filed.

1. Preliminary Statements.

The filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made (37 CFR § 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56 (37 C.F.R. § 1.97(h)), or that no other material information exists.

The filing of this Information Disclosure Statement is not to be construed as a representation that the references are prior art within the meaning of 35 U.S.C. §§ 102 or 103. Further, any explanation, if provided, is not to be construed as a representation that the references have been thoroughly reviewed. In particular, no representation as to the relevance of any portion of any reference is intended.

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2. Form PTO-1449, List of Prior Art Cited by Applicant, citing 1 U.S. patent, 0 Foreign patents and 10 publications.

3. Attached to this Information Disclosure Statement is a copy of the International Search Report in the corresponding International Application, along with the cited references, for consideration by the U.S. Patent and Trademark Office. Copies of the references listed in the International Search Report that have not been provided are believed to define the general state of the art and are not considered to be of particular relevance.

4. The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor(s) and the information in the attorney's file.

5. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, in accordance with the provisions of 37 C.F.R. §1.97(b).

Telephone: 602.313.3345
Facsimile: 602.313.4559

Honeywell International Inc. (Assignee)
101 Columbia Road
P.O. Box 2245
Morristown, NJ 07962

By: 
Andrew A. Abeyta
Reg. No. 39,582
Attorney for Applicant

9/22/03

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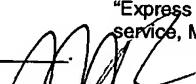
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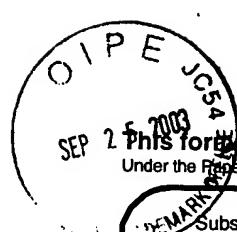
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

COMPLETE IF KNOWN

Application Number	10/078,474
Filing Date	February 21, 2002
First Named Inventor	Hoki Kwon
Art Unit	2881
Examiner Name	t.b.d.
Attorney Docket Number	V637 02769 US

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.01. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

COMPLETE IF KNOWN

Application Number	10/078,474
Filing Date	February 21, 2002
First Named Inventor	Hoki Kwon
Group Art Unit	2881
Examiner Name	t.b.d.
Attorney Docket Number	V637 02769 US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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REMARKS			
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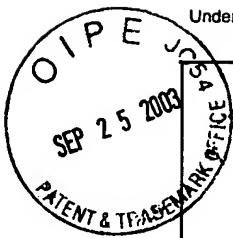
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Docket No: V637 02769 US
Serial No. 10/078,474
Filed 02-21-2002

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